

Isaura Gutiérrez Vargas

Economist | Statistician

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EDUCATION

UNIVERSIDAD DE COSTA RICA

- **BSc in Statistics** **2019-2023**
Expected graduation date: February 2024
Teaching assistant for Introductory Statistics II (one term)
- **BSc in Economics** **2017-2021**
Graduation date: February 2022.
Teaching assistant for Macroeconomics I (one term)

WORK EXPERIENCE

PFIZER

Data Analyst Assistant - Department of Commercial Innovation and Excellence **07/2023 – 12/2023**

Supervised by BSc. Yefry López Núñez

- Assurance of the quality and accuracy of the foundational data for quantitative projects.
- Utilization of Excel, Power BI, and RStudio to conduct detailed descriptive analyses of datasets.
- Use of Jira for Scrum-based project management, facilitating backlog management and real-time collaboration among team members

UNIVERSIDAD DE COSTA RICA

Research Assistant **01/2022 – 12/2023**

Worked on multiple research projects, contributing to the exploration and analysis of diverse topics.

- **Centro Centroamericano de Población (CCP): Exploration of the relationship between suicide and inequity conditions in Costa Rica.**
Supervised by MSc. Hazel Quesada Leitón
 - Synthesized existing knowledge to inform the research methodology and identify gaps in the current understanding of suicide in Costa Rica.
 - Analyzed social determinants of health associated with suicide by canton for the period 2018-2022, contributing to a comprehensive understanding of public health dynamics.
- **Centro de Investigación en Matemática Pura y Aplicada (CIMPA): Use of machine learning models for the forecast of extreme flows (droughts and floods).**
Supervised by PhD. Adriana Sánchez Chavarría
 - Prepared the data to be used for training and implementation of the models through digitization, exploratory analysis, and outlier detection.
 - Developed machine learning models for forecasting extreme flows, addressing the complexities of meteorological and hydrological processes.
- **Proyecto Doble Check: Initiative devoted to audit public discourse.**
Supervised by Lic. David Bolaños Acuña
 - Led the production of reports debunking economic statements made by public figures, contributing to the initiative's commitment to factual accuracy.
 - Managed information requests, conducted interviews with primary sources, and utilized data visualization techniques to present findings effectively.
- **Centro de Investigación en Estudios de la Mujer (CIEM): Observatory of Reproductive Rights.**
 - Monitored the situation of obstetric violence in Costa Rica.
 - Investigated obstacles in access to emergency oral contraception. to address these obstacles in ensuring reproductive rights.

CONTRALORÍA GENERAL DE COSTA RICA

Fiscalization Assistant **01/2021 – 05/2022**

- Responsible for generating assistive services and products necessary for the fulfillment of specific objectives of the Fiscalization Area of the Financial Management System of the Republic of Costa Rica.
- Collaborated on research projects focused on the Costa Rican tax system, working towards proposing improvements for the end user.

ELIBODA S.A

Research Assistant ELIBODA S.A **08/2020 – 01/2021**

- Created and managed economic databases through data extracting, processing, analyzing, and elaborating data visualizations.
- Assisted in the preparation of reports on the economic situation in the countries of Central America and the Caribbean and their translation from Spanish to English.

Supervised by MSc. Alexander Franck Murillo

- Responsible for drafting a functional document outlining the technical requirements for a comprehensive pricing management platform for Kimberly-Clark.
- The created platform customized solutions to optimize their presence across various sales channels, seize strategic promotion opportunities, and strengthen relationships with key clients.

AWARDS AND CERTIFICATIONS

CENAT-CONARE Scholarship 2023

Recipient of one of the CENAT-CONARE scholarships in 2023 to develop the project "Use of machine learning models for the forecast of extreme flows" in collaboration with the National Center for Advanced Computing (Colaboratorio Nacional de Computación Avanzada - CNCA).

- HSK Level 3 (Hanyu Shuiping Kaoshi): Mandarin Chinese language proficiency test.
- Course in data analysis and visualization with R-CeNAT.
- Statistical analysis with R-CeNAT.

SKILLS

- **Soft Skills:** Critical Thinking, problem-solving, attention to detail, effective communication, teamwork, adaptability.
- **Software:** Microsoft Office, Excel, R, Stata, Power BI, LaTeX, Eviews, Tableau, Python, Jira.
- **Languages:** Spanish (Native), English (Fluent), Mandarin (Intermediate).
- **Extracurricular activities:** Vice President Association of Economics Students 2018-2019

REFERENCES

- PhD. Valeria Lentini Gilli – Lecturer and researcher, School of Economics | Phone: (+506) 83405362 | valeria.lentini@ucr.ac.cr
- MSc. Marco Hildalgo Ramírez – Researcher, Instituto de Investigaciones Económicas (IIE) | Phone: (+34) 629 15 59 28 | marco.hildalgo@ucr.ac.cr
- PhD. Ricardo Alvarado Barrantes – Lecturer, School of Statistics | Phone: (+506) 84021263 | ricardo.alvarado@ucr.ac.cr
- PhD. Adriana Sánchez – Researcher, Centro de Investigación en Matemática Pura y Aplicada (CIMPA)| Phone: (+506) 89490042 | adriana.sanchez_c@ucr.ac.cr
- MSc. Hazel Quesada – Researcher, Centro Centroamericano de Población (CCP) | Phone: (+506) 86114208 | hazel.quesadaleiton@ucr.ac.cr
- BSc. Yefry López Núñez– Business Analyst, Pfizer | Phone: (+506) 85176983 | yefry.lopez@pfizer.com